



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 10601245  
SAU: Freeport School Department  
School: Freeport Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science and Technology Results .....	10-12

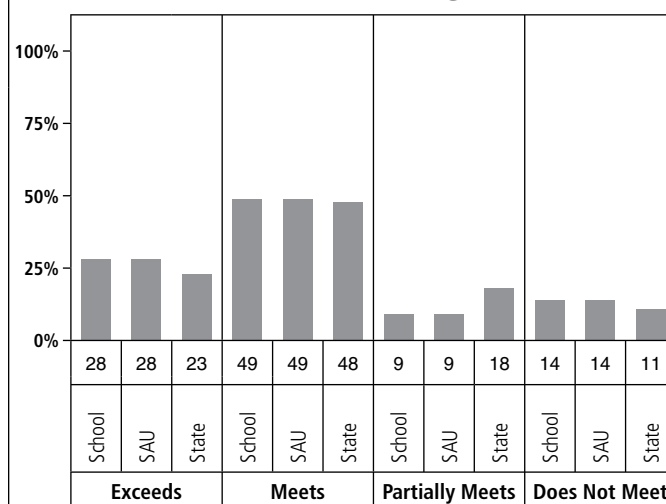
# SUMMARY OF SCORES

Test Date: March 2008  
Grade: 8  
SAU: Freeport School Department  
School: Freeport Middle School

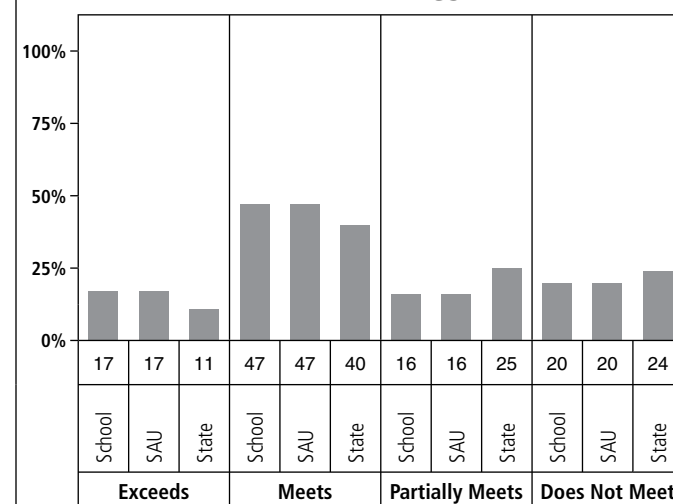
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	848	848	845
2006–2007	852	852	847
<b>2007–2008</b>	<b>851</b>	<b>851</b>	<b>849</b>
Cum. Avg. *	850	850	847
<b>Mathematics</b>			
2005–2006	841	841	840
2006–2007	844	844	842
<b>2007–2008</b>	<b>844</b>	<b>844</b>	<b>841</b>
Cum. Avg. *	843	843	841
<b>Science &amp; Technology</b>			
2005–2006	846	847	846
2006–2007	852	852	847
<b>2007–2008</b>	<b>852</b>	<b>852</b>	<b>847</b>
Cum. Avg. *	850	850	847

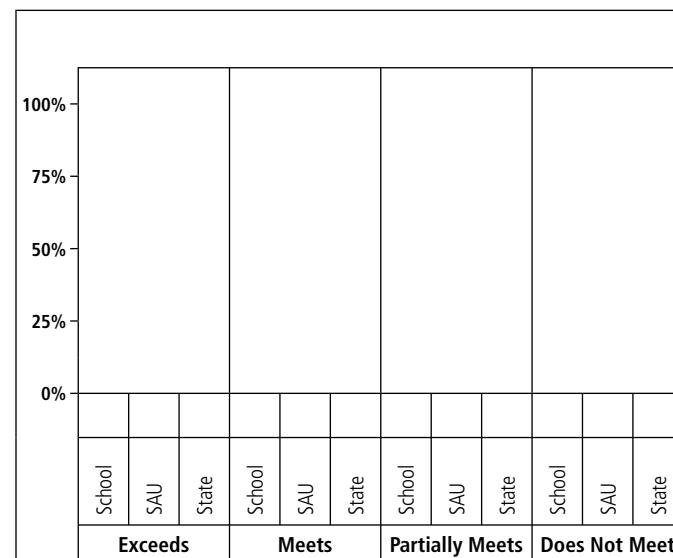
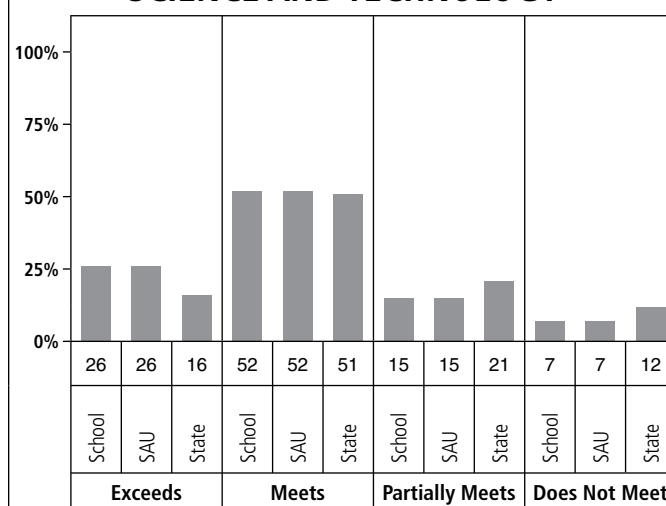
## ELA – READING



## MATHEMATICS



## SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%		
Total number of students	83	100	83	100	15274	100	81	98	81	98	15102	99	81	98	81	98	15097	99	81	98	81	98	15080	99						
Ethnicity African American/Black	1	1	1	1	368	2	1	100	1	100	356	97	1	100	1	100	360	98	1	100	1	100	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	2	2	2	2	186	1	2	100	2	100	181	97	2	100	2	100	182	98	2	100	2	100	182	98						
Hispanic	1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	79	95	79	95	14461	95	77	97	77	97	14312	99	77	97	77	97	14302	99	77	97	77	97	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	17	20	17	20	2508	16	16	94	16	94	2446	98	16	94	16	94	2441	98	16	94	16	94	2431	98						
Current LEP	1	1	1	1	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99						
Economically disadvantaged	12	14	12	14	5420	35	12	100	12	100	5329	99	12	100	12	100	5324	99	12	100	12	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	67	81	67	81	12703	83	67	81	67	81	12694	83	67	81	67	81	12710	83						
Identified disability (PET/IEP)	2	3	2	3	437	3	2	3	2	3	421	3	2	3	2	3	445	4						
LEP	1	1	1	1	172	1	1	1	1	1	172	1	1	1	1	1	173	1						
504 plan	4	6	4	6	229	2	4	6	4	6	231	2	4	6	4	6	230	2						
Participation with accommodations	14	17	14	17	2221	15	14	17	14	17	2227	15	14	17	14	17	2197	14						
Identified disability (PET/IEP)	14	100	14	100	1832	82	14	100	14	100	1844	83	14	100	14	100	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	2	2	2	2	140	1	2	2	2	2	143	1	2	2	2	2	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Freeport School Department  
School: Freeport Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	23	26	23	26	2695	17
	2006-2007	23	24	23	24	2407	16
	<b>2007-2008</b>	<b>23</b>	<b>28</b>	<b>23</b>	<b>28</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	69	26	69	26	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	39	44	39	43	6830	42
	2006-2007	51	53	51	53	7494	49
	<b>2007-2008</b>	<b>40</b>	<b>49</b>	<b>40</b>	<b>49</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	130	49	130	49	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	13	15	13	14	3741	23
	2006-2007	16	17	16	17	3628	24
	<b>2007-2008</b>	<b>7</b>	<b>9</b>	<b>7</b>	<b>9</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	36	14	36	13	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	14	16	15	17	3003	18
	2006-2007	6	6	6	6	1810	12
	<b>2007-2008</b>	<b>11</b>	<b>14</b>	<b>11</b>	<b>14</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	31	12	32	12	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	37.7	67.3	37.7	67.3	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	18.5	66.1	18.5	66.1	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	19.2	68.6	19.2	68.6	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	81	23	28	40	49	7	9	11	14	851	81	28	49	9	14	851	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	1										1						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	2										2						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	77	23	30	37	48	7	9	10	13	851	77	30	48	9	13	851	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	0	0	5	31	3	19	8	50	832	16	0	31	19	50	832	2269	3	24	32	42	833
No	65	23	35	35	54	4	6	3	5	855	65	35	54	6	5	855	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	1										1						308	8	30	27	34	837
No	80	23	29	39	49	7	9	11	14	851	80	29	49	9	14	851	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	12	3	25	4	33	0	0	5	42	844	12	25	33	0	42	844	5222	12	44	25	19	843
No	69	20	29	36	52	7	10	6	9	852	69	29	52	10	9	852	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	81	23	28	40	49	7	9	11	14	851	81	28	49	9	14	851	14917	23	48	18	11	849
<b>Gender</b>																						
Female	32	13	41	14	44	1	3	4	13	855	32	41	44	3	13	855	7198	30	48	15	7	853
Male	49	10	20	26	53	6	12	7	14	848	49	20	53	12	14	848	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	81	23	28	40	49	7	9	11	14	851	81	28	49	9	14	851	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	0										0						592	71	28	1	0	867
No	81	23	28	40	49	7	9	11	14	851	81	28	49	9	14	851	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	3 35 53 9	0 6 16 1	0 21 38 14	1 13 20 5	50 46 48 71	1 3 3 0	50 11 7 0	0 6 3 1	0 21 7 14	843 847 855 851	3 35 53 9	0 21 38 14	50 46 48 71	50 11 7 0	0 21 7 14	843 847 855 851	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b> A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	33 53 13 1	10 9 4 0	38 21 40 0	14 21 3 1	54 50 30 100	1 5 1 0	4 12 10 0	1 7 2 0	4 17 20 0	855 850 849 852	33 53 13 1	38 21 40 0	54 50 30 100	4 12 10 0	4 17 20 0	855 850 849 852	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
<b>Which of the following best describes how you rate yourself as a student in reading?</b> A. very good B. good C. fair D. poor	37 48 15 0	13 9 1 0	45 24 8 0	15 22 2 0	52 58 17 0	1 4 2 0	3 11 17 0	0 3 7 0	0 8 58 0	860 851 833 0	37 48 15 0	45 24 8 0	52 58 17 0	3 11 17 0	0 8 58 0	860 851 833 0	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
<b>How difficult was the reading part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	13 56 31	0 11 11	0 25 46	6 22 11	60 50 46	1 5 1	10 11 4	3 6 1	30 14 4	838 851 858	13 56 31	0 25 46	60 50 46	10 11 4	30 14 4	838 851 858	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
<b>How difficult were the reading passages on this test?</b> A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 50 42	0 7 16	0 18 48	3 22 13	50 56 39	1 4 2	17 10 6	2 6 2	33 15 6	839 849 857	8 50 42	0 18 48	50 56 39	17 10 6	33 15 6	839 849 857	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
<b>How hard did you try on the reading part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	41 55 4	7 16 0	23 38 0	17 20 0	55 48 0	3 3 0	10 7 0	4 3 3	13 7 100	850 855 822	41 55 4	23 38 0	55 48 0	10 7 0	13 7 100	850 855 822	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
<b>How much time do you spend reading at home each day?</b> A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	11 51 18 20	2 12 4 5	22 30 29 31	6 16 9 8	67 40 64 50	0 5 1 1	0 13 7 6	1 7 0 2	11 18 0 13	856 849 857 851	11 51 18 20	22 30 29 31	67 40 64 50	0 13 7 6	11 18 0 13	856 849 857 851	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
<b>How do you feel about the following statement?</b> <i>"My knowledge of reading will be useful to me as an adult."</i> A. strongly agree B. agree C. disagree D. strongly disagree	37 57 4 3	11 11 1 0	38 24 33 0	12 26 1 0	41 58 33 0	3 3 1 0	10 7 33 0	3 5 0 2	10 11 0 100	854 851 858 821	37 57 4 3	38 24 33 0	41 58 33 0	10 11 33 0	10 11 0 100	854 851 858 821	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
<b>Optional school/SAU question</b> A. B. C. D.	90 0 0 10	1 0 0 0	11 0 0 0	5 1 0 1	56 0 0 100	1 0 0 0	11 0 0 0	2 0 0 0	22 0 0 0	846 0 0 844	90 0 0 10	11 0 0 0	56 0 0 100	11 0 0 0	22 0 0 0	846 0 0 844						

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Freeport School Department  
School: Freeport Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	12	13	12	13	1714	11
	2006-2007	17	18	17	18	1952	13
	<b>2007-2008</b>	<b>14</b>	<b>17</b>	<b>14</b>	<b>17</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	43	16	43	16	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	30	34	31	34	5533	34
	2006-2007	37	39	37	39	5870	38
	<b>2007-2008</b>	<b>38</b>	<b>47</b>	<b>38</b>	<b>47</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	105	39	106	40	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	24	27	24	27	4764	29
	2006-2007	15	16	15	16	3982	26
	<b>2007-2008</b>	<b>13</b>	<b>16</b>	<b>13</b>	<b>16</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	52	20	52	19	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	23	26	23	26	4251	26
	2006-2007	27	28	27	28	3534	23
	<b>2007-2008</b>	<b>16</b>	<b>20</b>	<b>16</b>	<b>20</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	66	25	66	25	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Cluster 1: Numbers and Operations</b>	<b>16</b>	<b>29</b>	9.2	57.5	9.2	57.5	8.4	52.5
<b>Cluster 2: Shape and Size</b>	<b>14</b>	<b>25</b>	6.4	45.7	6.4	45.7	5.9	42.1
<b>Cluster 3: Mathematical Decision Making</b>	<b>8</b>	<b>14</b>	4.8	60.0	4.8	60.0	4.6	57.5
<b>Cluster 4: Patterns</b>	<b>18</b>	<b>32</b>	9.4	52.2	9.4	52.2	8.9	49.4

- Cluster 1: Numbers and Operations**  
A. Numbers and Number Sense  
B. Computation  
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
E. Geometry  
F. Measurement
- Cluster 3: Mathematical Decision Making**  
C. Data Analysis and Statistics  
D. Probability
- Cluster 4: Patterns**  
G. Patterns, Relations, and Functions  
H. Algebra Concepts  
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	81	14	17	38	47	13	16	16	20	844	81	17	47	16	20	844	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	1										1						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	2										2						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	77	14	18	36	47	12	16	15	19	844	77	18	47	16	19	844	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	0	0	2	13	4	25	10	63	823	16	0	13	25	63	823	2265	1	14	22	62	824
No	65	14	22	36	55	9	14	6	9	849	65	22	55	14	9	849	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	1										1						315	5	24	20	51	828
No	80	14	18	37	46	13	16	16	20	844	80	18	46	16	20	844	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	12	2	17	4	33	0	0	6	50	837	12	17	33	0	50	837	5217	5	30	29	37	834
No	69	12	17	34	49	13	19	10	14	845	69	17	49	19	14	845	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	81	14	17	38	47	13	16	16	20	844	81	17	47	16	20	844	14914	11	40	25	24	841
<b>Gender</b>																						
Female	32	7	22	14	44	6	19	5	16	846	32	22	44	19	16	846	7199	11	40	26	23	841
Male	49	7	14	24	49	7	14	11	22	843	49	14	49	14	22	843	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	81	14	17	38	47	13	16	16	20	844	81	17	47	16	20	844	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	0										0						592	58	39	2	1	864
No	81	14	17	38	47	13	16	16	20	844	81	17	47	16	20	844	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	0	0	0	0	1	50	1	50	819	3	0	0	50	50	819	9	5	30	23	41	833
B. less than one hour	35	5	18	9	32	5	18	9	32	841	35	18	32	18	32	841	46	10	40	26	25	840
C. one to two hours	53	8	19	24	57	5	12	5	12	848	53	19	57	12	12	848	41	14	42	25	19	843
D. more than two hours	9	1	14	4	57	1	14	1	14	844	9	14	57	14	14	844	5	14	38	23	24	842
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	38	5	17	17	57	6	20	2	7	847	38	17	57	20	7	847	30	17	43	22	18	845
B. They match some of what I have learned.	45	7	20	15	43	5	14	8	23	845	45	20	43	14	23	845	50	10	42	26	22	841
C. They match just a little of what I have learned.	14	2	18	4	36	1	9	4	36	838	14	18	36	9	36	838	17	6	32	29	33	836
D. There is no match.	3	0	0	1	50	0	0	1	50	837	3	0	50	0	50	837	4	3	18	25	54	828
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	32	10	40	14	56	1	4	0	0	857	32	40	56	4	0	857	26	29	46	14	11	851
B. good	48	4	11	17	45	8	21	9	24	840	48	11	45	21	24	840	45	7	46	27	20	841
C. fair	19	0	0	6	40	3	20	6	40	833	19	0	40	20	40	833	23	1	26	34	38	833
D. poor	1	0	0	0	0	0	0	1	100	820	1	0	0	0	100	820	5	1	14	29	57	827
<b>How difficult was the mathematics part of this test?</b>																						
A. harder than my regular schoolwork	26	0	0	9	45	3	15	8	40	833	26	0	45	15	40	833	34	4	35	28	32	836
B. about the same as my regular schoolwork	56	3	7	24	56	8	19	8	19	843	56	7	56	19	19	843	52	10	43	26	21	842
C. easier than my regular schoolwork	18	11	79	2	14	1	7	0	0	864	18	79	14	7	0	864	13	33	40	14	13	852
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	48	4	11	16	43	7	19	10	27	839	48	11	43	19	27	839	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	45	9	26	16	46	5	14	5	14	848	45	26	46	14	14	848	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	6	1	20	3	60	0	0	1	20	851	6	20	60	0	20	851	6	9	27	27	38	835
<b>How often do you use laptops in mathematics class?</b>																						
A. almost every day	43	8	24	19	56	4	12	3	9	848	43	24	56	12	9	848	9	6	38	27	29	837
B. two or three days a week	37	5	17	13	45	6	21	5	17	845	37	17	45	21	17	845	16	8	38	27	27	839
C. two or three times each month	6	0	0	3	60	0	0	2	40	844	6	0	60	0	40	844	28	12	41	27	21	843
D. never or almost never	14	1	9	2	18	2	18	6	55	829	14	9	18	18	55	829	48	13	40	23	24	842
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	10	2	25	3	38	0	0	3	38	845	10	25	38	0	38	845	38	14	42	23	21	843
B. two or three times a week	13	2	20	4	40	1	10	3	30	841	13	20	40	10	30	841	33	10	41	26	23	841
C. two or three times each month	39	7	23	14	45	8	26	2	6	848	39	23	45	26	6	848	18	10	36	27	27	840
D. never or almost never	38	3	10	16	53	3	10	8	27	841	38	10	53	10	27	841	11	7	34	26	33	836
<b>How do you feel about the following statement?</b> <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	59	8	17	24	51	7	15	8	17	846	59	17	51	15	17	846	54	14	44	23	18	844
B. agree	35	6	21	11	39	5	18	6	21	843	35	21	39	18	21	843	38	8	36	27	28	838
C. disagree	5	0	0	2	50	0	0	2	50	837	5	0	50	0	50	837	6	6	31	28	36	835
D. strongly disagree	0										0						2	3	23	25	49	831
<b>Optional school/SAU question</b>																						
A.	90	1	11	6	67	1	11	1	11	848	90	11	67	11	11	848						
B.	0										0											
C.	0										0											
D.	10	0	0	1	100	0	0	0	0	844	10	0	100	0	0	844						

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: Freeport School Department  
School: Freeport Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	7	8	7	8	1879	12
	2006-2007	24	25	24	25	2192	14
	<b>2007-2008</b>	<b>21</b>	<b>26</b>	<b>21</b>	<b>26</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	52	20	52	19	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	55	62	56	62	8604	53
	2006-2007	49	51	49	51	7916	52
	<b>2007-2008</b>	<b>42</b>	<b>52</b>	<b>42</b>	<b>52</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	146	55	147	55	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	14	16	14	16	3618	22
	2006-2007	16	17	16	17	3340	22
	<b>2007-2008</b>	<b>12</b>	<b>15</b>	<b>12</b>	<b>15</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	42	16	42	16	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	13	15	13	14	2174	13
	2006-2007	7	7	7	7	1865	12
	<b>2007-2008</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	26	10	26	10	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.9	63.6	8.9	63.6	8.1	57.9
Cluster 2: Physical Sciences	14	25	8.3	59.3	8.3	59.3	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.9	63.6	8.9	63.6	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	9.0	64.3	9.0	64.3	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	81	21	26	42	52	12	15	6	7	852	81	26	52	15	7	852	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	1										1						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	2										2						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	77	20	26	40	52	11	14	6	8	853	77	26	52	14	8	853	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	1	6	6	38	7	44	2	13	842	16	6	38	44	13	842	2258	3	29	31	37	836
No	65	20	31	36	55	5	8	4	6	855	65	31	55	8	6	855	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	1										1						315	4	29	25	42	834
No	80	20	25	42	53	12	15	6	8	852	80	25	53	15	8	852	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	12	4	33	2	17	5	42	1	8	850	12	33	17	42	8	850	5206	8	45	28	20	842
No	69	17	25	40	58	7	10	5	7	853	69	25	58	10	7	853	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	81	21	26	42	52	12	15	6	7	852	81	26	52	15	7	852	14900	16	51	21	12	847
<b>Gender</b>																						
Female	32	8	25	16	50	6	19	2	6	853	32	25	50	19	6	853	7196	14	52	23	12	847
Male	49	13	27	26	53	6	12	4	8	852	49	27	53	12	8	852	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	81	21	26	42	52	12	15	6	7	852	81	26	52	15	7	852	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	0										0						592	63	35	1	0	865
No	81	21	26	42	52	12	15	6	7	852	81	26	52	15	7	852	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
 Grade: 8  
 SAU: Freeport School Department  
 School: Freeport Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	3 35 53 9	0 7 12 2	0 25 29 29	1 13 25 1	50 46 60 14	0 5 4 3	0 18 10 43	1 3 1 1	50 11 2 14	843 851 856 844	3 35 53 9	0 25 29 29	50 46 60 14	0 18 10 43	50 11 2 14	843 851 856 844	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b> A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	30 56 11 3	5 13 3 0	21 30 33 0	12 23 4 1	50 52 44 50	5 5 1 1	21 11 11 50	2 3 1 0	8 7 11 0	850 854 852 847	30 56 11 3	21 30 33 0	50 52 44 50	21 11 11 50	8 7 11 0	850 854 852 847	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
<b>Which of the following best describes how you rate yourself as a student in science?</b> A. very good B. good C. fair D. poor	18 61 18 4	5 15 1 0	36 31 7 0	7 26 6 1	50 54 43 33	1 4 5 2	7 8 36 67	1 3 2 0	7 6 14 0	857 854 846 843	18 61 18 4	36 31 7 0	50 54 43 33	7 8 36 67	7 6 14 0	857 854 846 843	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
<b>How difficult was the science part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	28 63 9	6 13 1	29 27 14	9 26 4	43 54 57	3 6 2	14 13 29	3 3 0	14 6 0	849 854 853	28 63 9	29 27 14	43 54 57	14 13 29	14 6 0	849 854 853	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
<b>How hard did you try on the science part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	44 54 3	10 11 0	29 26 0	17 23 0	50 55 0	5 6 0	15 14 0	2 2 2	6 5 100	854 853 824	44 54 3	29 26 0	50 55 0	15 14 0	6 5 100	854 853 824	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
<b>Which courses do you plan to take before you graduate from high school?</b> A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	28 29 20 24	7 3 7 3	33 14 47 17	10 15 4 10	48 68 27 56	3 2 2 5	14 9 13 28	1 2 2 0	5 9 13 0	854 849 857 852	28 29 20 24	33 14 47 17	48 68 27 56	14 9 13 28	5 9 13 0	854 849 857 852	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
<b>How do you feel about the following statement?</b> <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	30 49 15 5	7 9 4 1	29 23 33 25	11 24 3 2	46 62 25 50	5 4 3 0	21 10 25 0	1 2 2 1	4 5 17 25	854 853 850 850	30 49 15 5	29 23 33 25	46 62 25 50	21 10 25 0	4 5 17 25	854 853 850 850	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
<b>How well does the following statement reflect your future goals?</b> <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	30 42 18 10	9 6 5 1	38 18 36 13	11 18 6 5	46 55 43 63	2 6 2 2	8 18 14 25	2 3 1 0	8 9 7 0	856 849 856 851	30 42 18 10	38 18 36 13	46 55 43 63	8 18 14 25	8 9 7 0	856 849 856 851	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
<b>Optional school/SAU question</b> A. B. C. D.	90 0 0 10	4   0	44   0	3   0	33   0	1   1	11   100	1   0	11   0	854   838	90 0 0 10	44   0	33   0	11   100	11   0	854   838						

E = Exceeds the Standards    M = Meets the Standards    P = Partially Meets the Standards    D = Does Not Meet the Standards  
 N = Number